

**Part one: Reading**

**(15points)**

**A/ Comprehension**

**(08 points)**

**Read the text carefully then do the following activities**

Science and technology have been the driving forces behind human civilization's progress. Their role in shaping our sustainable future is undeniable. As we face global challenges such as climate change, resource depletion, and social inequality, the application of scientific knowledge and technological innovation becomes more crucial than ever.

Science enables us to understand the complex system of our planet. It helps us to identify the challenges we face and provide the necessary tools to address them. For instance; climate science has been instrumental in identifying the causes and effects of global warming, leading to the development of mitigation strategies. Technology, on the other hand, provides practical solutions for implementing scientific knowledge. Green technologies, such as renewable energy sources, electric vehicles, and energy-efficient appliances, are prime examples. These technologies reduce our reliance on fossil fuels, thereby mitigating climate change and promoting sustainability.

Science and technology present challenges. Technological advancements can lead to job displacement, and the benefits of technology are not equally distributed. Furthermore, scientific research can be misused or misunderstood, leading to misguided policies. However, these challenges also represent opportunities. For instance, education and training can equip people with the skills needed in a technology-driven economy. Transparent and inclusive decision-making can ensure that the benefits of technology are shared more equitably.

**Adapted from: <https://aspiringyouths.com/essay/science-and-technology-for-sustainable-future/>**

**1. Choose the answer to complete each statement.**

- a) Science and technology .....human civilization's progress  
a- Have been a burden to                      b- have contributed in                      c- have threatened.
- b) Technology provides practical solution.....  
a- for discovering scientific knowledge    b- to formulate scientific theories c- to execute scientific truth
- c) .....is one of challenges faced the world today.  
a- The equal distribution of technology    b- The injustice of sharing technology c-. The investment in technology

**2. Identify the paragraphs in which the following ideas are mentioned.**

- a) Science and technology have an interrelated relationship.  
b) The distribution of science and technology between the nations is a political issue.

**3. Answer the following questions according to the text.**

- a) Is the role of science and technology promoting sustainable development unobjectionable? Illustrate.  
b) Explain how can scientific research contribute to reveal the secret of our planet?  
c) What are the challenges does the progress in science present?

**4. Find what or who the underlined words in the text refer to.**

- a) Their: (§1) → ..... b) them: (§2) → ..... c) these : (§3) → .....

**B/ Text Exploration**

**(07points)**

1. Find in the text words or phrases that are closest in meaning to following :

- a) Reduction (§1) =..... b) Application= (§2)..... c) progress (§3).....

2. Complete sentence (b) so that it means the same as sentence (a).

- 1- a) Scientific and technological development has improved people’s lives.  
b) People’s lives.....
- 2- a) Developed countries give much interest to scientific researches so that they create new sources of wealth.  
c) So as to.....
- 3- a) Advanced technology provides luxury to humans. However, it can be used to make destructive weapons  
d) Although.....

3. Classify the following words according to their stressed syllable.

Promote – biochemistry - development – progress

Stress on the 1 <sup>st</sup> syllable	Stress on the 2 <sup>nd</sup> syllable	Stress on the 3 <sup>rd</sup> syllable
.....	.....	.....

4. Complete the following dialogue. Make the best use of grammar.

- Speaker A: .....
- Speaker B: Yes, you can ask me any question related to chemistry.
- Speaker A: .....
- Speaker B: If we mix water and oil, it floats on the water, because oil is less dense than water.
- Speaker A: .....
- Speaker B: Yes, I will choose to study petro chemistry if I passé my baccalaureate with distinction.
- Speaker A: Why.....
- Speaker B: Good idea, Industrial chemistry is also good branch, it enables me to have a lot of opportunities to have a good job and even abroad

**Part Two: Written Expression**

**(05points)**

Choose ONE of the following topics:

**Topic One:**

Like natural resources, modern technologies are considered as an important way to create wealth that should be shared between nations and promote sustainable development. As a social media activist, write a composition of about 80 to 120 words in which you explain how modern technologies contribute in creating wealth and suggest ways to share them between nations.

**Make the best use of the following notes:**

- Create wealth: to commercialize the new devices and machines /growth of economy/ Use modern machines / creating companies that work in technologies.....etc.....
- Ways to share technology: Transform modern technology /external technology/ training ....etc.....

**Topic Two:**

When you were checking one of your social media sites, you crossed a post in which the poster expressed his disappointment from selfishness, self interest and misbehaviour of his friend and even the number of his family. Take a turn of a wise person to write a short reply in which you give him pieces of advice so that he may feel better and overcomes his terrible psychological state.

**Good Luck and Best Wishes**

## The correction of the second term exam

### Part One: Reading comprehension

1. **Choose the answer to complete each statement.** .....(0.5 Point × 3)
  - a) have contributed in      b) to execute scientific truth      c) The injustice of sharing technology
2. **Identify the paragraphs in which the following ideas are mentioned.** .....(0.75 Point × 3)
  - a) Science and technology have an interrelated relationship is mentioned **in paragraph N:02**
  - b) The distribution of science and technology between the nations is a political issue is mentioned **in paragraph N:03**
3. **Answer the following questions according to the text.** ..... (03 Points)
  - a) No, it is not because Science and technology have been the driving forces behind human civilization's progress. ....(1.25 Point)
  - b) Scientific research contributes to reveal the secret of our planet since it enables us to understand the complex system of our planet. It helps us to identify the challenges we face and provide the necessary tools to address them. ....(1.25 Point)
  - c) The challenges that the progress in science present are the misuse and the misunderstanding of scientific theories. ....(1.5 Point )
4. **Find what or who the underlined words in the text refer to.** ..... (0.5Point × 3)
  - a) Their → science and technology      b) them → the necessary tool      c: these → challenges

### B/ Text Exploration

(07points)

1. **Find in the text words or phrases that are closest in meaning to following :** ..... (0.5Point × 3)
  - a) Reduction = depletion      b) Application = implementing      c) progresses = advancements
2. **Complete sentence (b) so that it means the same as sentence (a).** .....(2.5Point )
  - 1- b) People's lives **have been improved** by scientific and technological development. .... (0.75Point )
  - 2- b) **So as to** create new sources of wealth, developed countries give much interest to scientific researches. ....(0.5Point )
  - 3- a) Although advanced technology provides luxury to humans, it can be used to make destructive weapons. ....(01Point )
3. **Classify the following words according to their stressed syllable.** .....(0.25Point × 3)

Promote – biochemistry - development – progress

Stress on the 1 <sup>st</sup> syllable	Stress on the 2 <sup>nd</sup> syllable	Stress on the 3 <sup>rd</sup> syllable	Stress on the 4 <sup>th</sup> syllable
progress	<i>promote</i>	Philosophical	

4. **Complete the following dialogue. Make the best use of grammar.** .....(0.5Point ×4)

**Speaker A:** Can I ask you some questions related to chemistry?

**Speaker B:** Yes, you can ask me any question related to chemistry.

**Speaker A:** What happens if we miss oil and water?

**Speaker B:** If we mix water and oil, it floats on the water, because oil is less dense than water.

**Speaker A:** Will you choose to study chemistry if you pass your baccalaureate with distinction.

**Speaker B:** Yes, I will choose to study petro chemistry if I passé my baccalaureate with distinction.

**Speaker A:** Why don't you choose to study Industrial chemistry? It is good branch.

**Speaker B:** Good idea, Industrial chemistry is also good branch, it enables me to have a lot of opportunities to have a good job and even abroad